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24. (NEW) The closure system as defined in claim 22 wherein one of said parameters is a movement force applied to the actuator due to movement of the closure system.

25. (NEW) A closure system comprising:

a closure moveable in an aperture and subjectable to an acceleration force resulting from externally induced accelerations and separately subjectable to an actuator force applied by an actuator; and

the actuator for moving the closure and mounted by a mounting system, the mounting system including at least one measurement cell for measuring two separate parameters of the closure system,

wherein the two parameters are measured such that the actuator force applied to the closure by the actuator is distinguishable from the acceleration force resulting from externally induced accelerations.

REMARKS

Applicant has amended the Figures to more clearly label the reference numerals. Mounts have been added to the Figures to schematically illustrate the mounts 24/26. The Examiner also objected to the label CG, or center of gravity, in the figures and required an explanation of the relevance. As disclosed in paragraph 20 of the specification, when the vehicle 10 is stationary, the force M at the center of gravity CG is defined as the combined weight of the motor 20 and the gearbox 22. However, when the vehicle 10 is moving, CG is located horizontally by distance x from shear load cell C1 and vertically by distance z from shear load cell C2. The outputs from shear load cells C1 and C2 are S1 and S2, respectively. It is later described in paragraph 36 that by comparing the outputs S1 and S2 of the shear load cells C1 and C2, the proportion of the measured output due to vertical acceleration and the measured output due to an object trapped in a window can be distinguished. Therefore, a better definition of the actual trap force can be obtained. Therefore, the center of gravity CG has been described as relevant.

Claims 1 and 19 stand rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. Applicant has added new claims 23 and 24 which claim

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different parameters. The claims have also been amended to give a more descriptive understanding of the claims.

Claims 1-21 stand rejected under 35 U.S.C. §102(b) as being anticipated by Ohiro et al (Japanese Patent JP-09-328964). Kume (United States Patent Number 6,100,658) claims priority to Ohiro. Ohiro and Kume do not disclose a closure system able to distinguish between a force applied to the closure by an actuator from an acceleration force applied to the closure from acceleration. Kume/Ohiro both disclose a window opening/closing device. When an object is detected as being jammed in a window, a motor reverses rotation to release the object from the window. Kume/Ohiro is not capable of distinguishing acceleration forces from forces applied by an actuator as required by Applicant's claims. Kume/Ohiro does not anticipate Applicant's claims, and Applicant respectfully requests that the rejection be withdrawn.

Claims 1-21 stand rejected under 35 U.S.C. §102(b) as being anticipated by Tajima et al. (United States Patent Number 5,832,664). Tajima also does not disclose a closure system able to distinguish between a force applied to the closure by an actuator from an acceleration force applied to the closure from acceleration. Tajima discloses a power window device which detects nipping of fingers, etc. Reference pressures for detecting nipping are set based to the window position detected. By comparing the detected pressure with the reference pressure, nipping by the window is detected. Tajima does not disclose a system that is capable of distinguishing acceleration forces from forces applied by an actuator as required by Applicant's claims. Tajima does not anticipate Applicant's claims, and Applicant respectfully requests that the rejection be withdrawn.

Thus, claims 1-17 and 19-25 are in condition for allowance. The Commissioner is authorized to charge Deposit Account No. 50-1482, in the name of Carlson, Gaskey & Olds, P.C., \$72.00 for four additional claims in excess of 20. No additional fees are seen to be required. If any additional fees are due, however, the Commissioner is authorized to charge Deposit Account No. 50-1482, in the name of Carlson, Gaskey & Olds, P.C., for any additional fees or credit the account for any overpayment. Therefore, favorable reconsideration and allowance of this application is respectfully requested.

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Respectfully Submitted,

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CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, TC 2800, Before Final, (703) 872-9318 on December 16, 2002.



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VERSION WITH MARKINGS TO SHOW CHANGES MADECLAIMS

1. (AMENDED) A closure system comprising:

a closure moveable in [for substantially closing] an aperture; [in use,] and an actuator for moving [at least closing] the closure[, the actuator being] and mounted by a mounting system, the mounting system including at least one [or more] measurement cell [cells] for measuring[, in use,] at least one parameter of the closure system.
wherein [systems, in use] the closure system is [being] subjected to accelerations and is [being] arranged [such that it is possible] to [at least partially] distinguish a force [forces] applied to the closure by the actuator from an acceleration force [forces] applied to the closure [as a result of the accelerations of the closure system] from the accelerations by consideration of the [measured] at least one parameter.

3. (AMENDED) The closure system as defined in Claim 2 in which the vehicle is one of a land vehicle, an [or a] aircraft, and [or] a marine vehicle.

8. (AMENDED) The closure systems as defined in Claim 7 in which the closure system is mounted in a [the] door.

15. (AMENDED) The closure system as defined in Claim 1 in which the mounting system includes [comprises at least] two measurement cells [positioned] in a spaced apart relationship.

16. (AMENDED) The closure system as defined in Claim 1 in which the at least one parameter is [measured arc] force.

17. (AMENDED) The closure system as defined in Claim 1 in which the actuator opens [is capable of opening] the closure.

Please cancel claim 18.

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19. (AMENDED) An aperture motor assembly for [at least] closing an aperture[, the motor assembly] comprising:

a closure;

measurement cells [being] arranged [such that in use it is possible] to [at least partially] distinguish a force [forces] applied to the [associated aperture] closure from an acceleration force [forces] applied to the [an associated aperture] closure as a result of accelerations of the [aperture] closure and the motor assembly by consideration of an [the] output from the measurement cells.